BRUHAT BANGLORE MAHANAGARA PALIKE

DASARAHALLI-ZONE

T.DASARAHALLI-SUB-DIVISION.

Name Of Work: Dismantling & Construction of Culverts, Removal of debries and Providing new Pre-cast RCC covering slabs, desilting of drains in Ward No 15, Dasarahalli

Est.Cost. Rs.35.25 Lakhs

ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ ಕಛೇರಿ

ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬಾಗಲಗುಂಟೆ, ಮಾರಮ್ಮ ದೇವಿ ದೇವಸ್ಥಾನದ ಹತ್ತಿರ

ಅಂದಾಜುಪಟ್ಟಿಯೊಂದಿಗಿನ ವರದಿ

ಕಾಮಗಾರಿಯ ಹೆಸರು:	Dismantling & Construction of culverts Removal of debries and providing new Pre cast RCC Covering slabs, Desilting of drains in ward No 15 Dasarahalli
ಲೆಕ್ಕ ಶೀರ್ಷಿಕೆ	2021-22ನೇ ಸಾಲಿನ ಬಿಬಿಎಂಪಿ ಪಿ.ಕೋಡ್-3726, POW

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ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ, ದಾಸರಹಳ್ಳಿ ವಲಯ, ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗದ ವಾರ್ಡ್ ನಂ.15, ದಾಸರಹಳ್ಳಿಯ Dismantling & Construction of culverts Removal of debries and providing new Pre cast RCC Covering slabs, Desilting of drains ಕಾಮಗಾರಿಯು 2021-22ನೇ ಸಾಲಿನಲ್ಲಿ ಬಿಬಿಎಂಪಿ ಆಯವ್ಯಯದ ಲೆಕ್ಕ ಶೀರ್ಷಿಕೆ ಪಿ-3726 ಅಡಿಯಲ್ಲಿ ರೂ.35.25 ಲಕ್ಷಗಳಿಗೆ ಮಂಜೂರಾಗಿರುತ್ತದೆ.

ವಾರ್ಡ್ ನಂ.15 ದಾಸರಹಳ್ಳಿ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಬರುವ ರಸ್ತೆ ಡಾಂಬರೀಕರಣ, ಚರಂಡಿಗಳಲ್ಲಿ ತುಂಬಿರುವ ಹೂಳನ್ನು ತೆಗೆಯುವುದು, ಹಾಗೂ ಕಲ್ವರ್ಟ್ ನಿರ್ಮಾಣ ಕಾಮಗಾರಿಗಾಗಿ ಅವಶ್ಯವಿರುವ ಅಂಶಗಳನ್ನು ಅಳವಡಿಸಿಕೊಂಡು 2018-19ನೇ ಸಾಲಿನ ಲೋಕೋಪಯೋಗಿ ಇಲಾಖೆ ದರಪಟ್ಟಿ ಅನುಸಾರ ದರಗಳನ್ನು ಅಳವಡಿಸಿಕೊಂಡು ಈ ಕೆಳಗಿನ ಅಂಶಗಳೊಂದಿಗೆ ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ತಯಾರಿಸಲಾಗಿದೆ.

1. Removing & Refixing stone slab
2. Earth work
3. Stone slab pavements
4. Precast slab 100mm
5. Scarifying bituminous coure 50mm
6. Wet mix macadam etc.,

ಸದರಿ ಅಂದಾಜುಪಟ್ಟಿಗೆ 2021-22 ನೇ ಸಾಲಿನಲ್ಲಿ ಬಿಬಿಎಂಪಿ ಆಯವ್ಯಯದ ಲೆಕ್ಕ ಶೀರ್ಷಿಕೆ ಪಿ-3726 ಅಡಿಯಲ್ಲಿ ರೂ.35.25 ಲಕ್ಷಗಳಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಅನುಮೋದನೆ ಹಾಗೂ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಬೇಕಾಗಿ ಕೋರಿ ಅಂದಾಜು ಪಟ್ಟಿ ಸಲ್ಲಿಸಿದೆ.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ವಾರ್ಡ್ ನಂ-15

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂಪಿ ಬೆಂಗಳೂರು

BRUHAT BANAGLORE MAHANAGARA PALIKE

Excecutive Engineer Dasarahalli Division

DETAILED ESTIMATE

Name of Work:Dismantling & Construction of Culverts, Removal of debries and Providing new Pre-cast RCC covering slabs, desilting of drains in Ward No 15, Dasarahalli

Job Code: 015-22-000003 — **Estimate Amount : 35.25 Lakhs**

Sl. No.	Description of Item	Unit / Rate	Nos	Dimensions L in m	B in m	D in m	Quantity	Rate in Rs.	Total Amount in Rs
1	Removing and refixing stone slabs of drains and pointing in CM (1:3) (Page No. 29, I.No. 5.33 of KPWD S.R 2018-19).).	sqm							
	Rate Analysis								
	Basic Rate in Rs			105.00					
	Add 6% Area Weightage			6.30					
	Total Rate in Rs.			**111.30**					
	Nrupatunga Road		2	410.00	0.90		738.00		
	Kaliyamma temple road		2	236.00	0.90		424.80		
							1162.80		
	20% Damaged Slabs						232.56		
							930.24	**111.30**	**103535.71**
2	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No 143., I.No.19.1 of KPWD S.R 2018-19).	Cum							
	Rate Analysis								
	Basic Rate in Rs.			130.00					
	Lead calculation for 13.3km ((2x1.28x13.3)+57= 91.048)			91.05					
	Add 6% Area Weightage			7.80					
	Total Rate in Rs.			**228.85**					
	Desilting of Drain								
	Nrupatunga Road		1	410.00	0.45	0.40	73.80		
	Kaliyamma temple road		1	236.00	0.45	0.40	42.48		
							116.28	**228.85**	**26610.45**
3	KSRB 15.2.1 Providing flush pointing to stone slab pavements, with cement mortar 1:3, after raking joints, nicely lining, including cost of materials, labour, curing complete as per specifications. (Page No & I.No.15.70 of KPWD S.R 2018-19).	Sqm							
	Rate Analysis								
	Basic Rate in Rs.			44.00					
	Add 6% Area Weightage			2.64					
	Total Rate in Rs.			**46.64**					
	Nrupatunga Road		2	410.00	0.90		738.00		
	Kaliyamma temple road		2	236.00	0.90		424.80		
							1162.80	**46.64**	**54232.99**
4	Providing precast slab of 100 mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge								
	Data Rate								
	Total Rate in Rs	sqm *2337.00*							

Sl. No.	Description of Item	Unit / Rate	Nos	Dimensions			Quantity	Rate in Rs.	Total Amount in Rs
				L in m	B in m	D in m			
	for damges								
	20% Damaged Slabs in Qty Item No.1						232.56		
							232.56	**2337.00**	**543492.72**
5	KSRRB 300-50. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries complete as per specifications. MORTH / Chapter 3								
	Basic Rate	**39.00**							
	AW 6%	**2.34**							
	Total	**41.34**							
	Camber Correction of road								
	Nrupatunga Road	1	410.00	0.90	0.20	73.80			
	Kaliyamma temple road	1	236.00	0.90	0.20	42.48			
						116.28	**41.34**	**Cum**	**4807**
6	KSRRB 300-Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3								
	Basic Rate	6.00							
	AW@ 6%	0.36							
	Total	**6.36**							
	Camber Correction of road								
	Nrupatunga Road	2	410.00	0.90		738.00			
	Kaliyamma temple road	2	236.00	0.90		424.80			
				Total		**1162.80**	**6.36**	**Sqm**	**7395**
7	KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (P.No.155 I.No.20.18)								
	Basic Rate	**1888.00**							
	AW 6%	**113.28**							
	Total	**2001.28**							
	Camber Correction of road								
	Nrupatunga Road	2	410.00	0.90	0.15	110.70			
	Kaliyamma temple road	2	236.00	0.90	0.15	63.72			
						174.42	**2001.28**	**Cum**	**349063**
8	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502 (P.No.158 I.No.21.6)**Issue Basic Rate Date;02.11.2021 to till now**								
	Basic Rate	**32.00**							
	AW 6%	**1.92**							
	Total	**33.92**							
	Camber Correction of road								
	Nrupatunga Road	2	410.00	0.90		738.00			
	Kaliyamma temple road	2	236.00	0.90		424.80			
						1162.80	**33.92**	**Sqm**	**39442**

Sl. No.	Description of Item	Unit / Rate	Nos	Dimensions			Quantity	Rate in Rs.	Total Amount in Rs
				L in m	B in m	D in m			
9	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH specification clause 501 (P.No.158 I.No.21.2)								
	Basic Rate	**6.00**							
	AW 6%	**0.36**							
	Total	**6.36**							
	Camber Correction of road								
	Nrupatunga Road	1	410.00	5.00		2050.00			
	Kaliyamma temple road	1	236.00	5.00		1180.00			
						3230.00	**6.36**	**Sqm**	**20543**
10	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5								
	Issue Basic Rate Date;02.11.2021 to till now	**12.00**							
	AW 6%	**0.72**							
	Total	**12.72**							
	Nrupatunga Road	1	410.00	5.00		2050.00			
	Kaliyamma temple road	1	236.00	5.00		1180.00			
						3230.00	**12.72**	**Sqm**	**41086**
11	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen (P.No.161 I.No.21.17.6) **Issue Basic Rate Date;02.11.2021 to till now**								
	Basic Rate	**8062.00**							
	AW 6%	**483.72**							
	Total	**8545.72**							
	Camber Correction of road								
	Nrupatunga Road	2	410.00	0.90	0.05	36.90			
	Kaliyamma temple road	2	236.00	0.90	0.05	21.24			
						58.14	**8545.72**	**Cum**	**496848**
12	KSRRB M500-19. Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 509 complete in all respects complete as per specifications. - using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 6 % CRMB 55 (P.No.158 I.No.21.23.6) **Issue Basic Rate Date;02.11.2021 to till now**								
	Basic Rate	**9617.00**							
	AW 6%	**577.02**							
	Total	**10194.02**							
	Nrupatunga Road	1	410.00	5.00	0.04	82.00			
	Kaliyamma temple road	1	236.00	5.00	0.04	47.20			
						129.20	**10194.02**	**Cum**	**1317067**

Sl. No.	Description of Item	Unit / Rate	Nos	Dimensions L in m	Dimensions B in m	Dimensions D in m	Quantity	Rate in Rs.	Total Amount in Rs
13	RRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Luminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (P.No.185 I.No.24.15)								478 47.8 525.8
	Basic Rate	**429.00**							
	AW 6%	**25.74**							
	Total	**454.74**							Pg. 94
	Jayalakshmipuram Ramachandra Hospital Road	2	410.00		0.10	82.00			8.15
	Bhuvaneshwari nagara 1st Main Kalyanmantap Temple road	2	~~236.00~~ 223-W		0.10	~~47.20~~ 45.40			5775=98
						129.20 127.40	454.74	Sqm	~~58752~~
								Sub Total	**3062876.08**
								Add 12% Towards GST Charges	**367545.13**
								Tender premium at 3%s	**91886.28**
								Miscellanious and rounding off	**2692.51**
									3525000.00

Certificate:-

1. That the workspot inspected by me and found work is necessary.
2. That the area comes with in the Bruhat Bangalore Mahanagara Palike Limits.
3. That the rates are adopted based on the PWD SR of 2018-19
4. That the provisions made in the estimate are necessary and quite essential.

Sub Total 30,10,721=54
GST@12% 3,61,286=58
Tender prem. 5% 1,50,536=07
miscellany 2455=81
Total Rs 35,25,000=00

Assistant Engineer
Ward No.15

Assistant Executive Engineer
Dasarahalli Sub-Division

Executive Engineer
Dasarahalli Division

ADMINISTRATIVELY SANCTIONED FOR
(Rupees Thirty five Lakhs twenty five thousand only
Under the Head of Account P-3726
Registered as no EE(D.D.)/AS/43/21-22 subject to conditions contained in Enclosed Memo
No EE/DD/AS/43/21-22 Dt. 13/1/22
Exe. Engr
AE/AE (DASARAHALLI) BBMP

Technically Sanctione for Rs. 35.25 Lakh
Rs. In words Rupees Thirty five Lakhs & Twenty five thousand only
Under P-3726
Job Code No. 05-220610
Registered as CE No. 93/14-01-2022
to conditions contained in Enclosed Memo
No CE/DZ/TS/93/2021-22 Dt. 14.01.22
AE/JE TA CE(DZ)